Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2612/2021--22	Date	16-01-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Name of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of
Work Order No	EE(Project)Ynk Zone/WO/169/2020-21
Job Code No	001-20-000014
Date of Testing	12-01-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000 g		PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	15.4	1.54	1.54	98.46	90 – 100	*90 – 100*	90 – 100	90-100
2.36	36.2	3.62	5.16	94.84	60 – 95	*75 – 100*	85 – 100	95-100
1.18	230.4	23.04	28.20	71.80	30 – 70	*55 – 90*	75 – 100	90-100
0.6	278.4	27.84	56.04	43.96	15 – 34	*35 – 59*	60 – 79	80-100
0.3	292.4	29.24	85.28	14.72	5 – 20	*8 – 30*	12 – 40	15-50
0.15	132.2	13.22	98.50	1.50	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

.....End of Report.....

Approved by
Narayanswamy.B

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Note
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080- 2341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2613/2021-22	Date	16-01-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Name of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of
Work Order No	EE(Project)Ynk Zone/WO/169/2020-21
Job Code No	001-20-000014
Date of Testing	12-01-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	10.62	1.06	1.06	98.94	90 – 100	*90 – 100*	90 – 100	90-100
2.36	60.2	6.02	7.08	92.92	60 – 95	*75 – 100*	85 – 100	95-100
1.18	212.4	21.24	28.32	71.68	30 – 70	*55 – 90*	75 – 100	90-100
0.6	262.2	26.22	54.54	45.46	15 – 34	*35 – 59*	60 – 79	80-100
0.3	225.4	22.54	77.08	22.92	5 – 20	*8 – 30*	12 – 40	15-50
0.15	148.6	14.86	91.94	8.06	0 – 10	*0 – 10*	0 – 10	0-15

** As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

.....End of Report.....

Approved by
Narayanswamy.B

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Note
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2614/2021-22	Date	09-11-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Name of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of
Work Order No	EE(Project)Ynk Zone/WO/169/2020-21
Job Code No	001-20-000014
Date of Testing	08-11-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	8.64	0.86	0.86	99.14	90 – 100	*90 – 100*	90 – 100	90-100
2.36	71.2	7.12	7.98	92.02	60 – 95	*75 – 100*	85 – 100	95-100
1.18	216.4	21.64	29.62	70.38	30 – 70	*55 – 90*	75 – 100	90-100
0.6	258.6	25.86	55.48	44.52	15 – 34	*35 – 59*	60 – 79	80-100
0.3	232.2	23.22	78.70	21.30	5 – 20	*8 – 30*	12 – 40	15-50
0.15	136.4	13.64	92.34	7.66	0 – 10	*0 – 10*	0 – 10	0-15

* *As furnished by the client*

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/F-Aggregate/2615/2021-22	Date	09-11-2021

TEST REPORT ON FINE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Name of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of
Work Order No	EE(Project)Ynk Zone/WO/169/2020-21
Job Code No	001-20-000014
Date of Testing	08-11-2021
Technical Referance	IS: 2386 (Part I)– 1963 , IS: 383 – 2016

GRADATION OF FINE AGGEGATES

Weight of Sample			1000	g	PERCENTAGE OF PASSING (GRADING)			
Sieve No	Weight of Sample	Percentage of Retained sample	Cumulative Percentage of Retained sample	Percentage Finer	Zone-I	*Zone-II*	Zone-II	zone-IV
10	0	0	0	100	100	*100*	100	100
4.75	8.64	0.86	0.86	99.14	90 – 100	*90 – 100*	90 – 100	90-100
2.36	71.2	7.12	7.98	92.02	60 – 95	*75 – 100*	85 – 100	95-100
1.18	210	21.00	28.98	71.02	30 – 70	*55 – 90*	75 – 100	90-100
0.6	268.3	26.83	55.81	44.19	15 – 34	*35 – 59*	60 – 79	80-100
0.3	222.6	22.26	78.07	21.93	5 – 20	*8 – 30*	12 – 40	15-50
0.15	132.8	13.28	91.35	8.65	0 – 10	*0 – 10*	0 – 10	0-15

As furnished by the client

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

.....End of Report.....

Approved by
Narayanswamy.B

Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

Report No	KMTH/C-Aggregate/2615/2021-22	Date	25-01-2021

TEST REPORT ON COARSE AGGRERGATE

Name of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Name of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Third Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
Name of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
Work Order No	EE(Project)Ynk Zone/WO/169/2020-21
Job Code No	001-20-000014
Date of Testing	23-01-2021
Technical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016

GRADATION OF COARSE AGGEGATES

20mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
20	352.6	7.05	7.05	92.95	85-100	90 to 100	
10	4596.6	91.93	98.98	1.02	0 to 20	25 to 55	
4.75	12.2	0.24	99.23	0.77	0 to 5	0 to 10	

40mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
Sieve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	410.2	8.20	8.20	91.80	85-100	90 to 100	
20	2286	45.72	53.92	46.08	0 to 20	30 to 70	
10	1384.6	27.69	81.62	18.38	0 to 5	10 to 25	
4.75	726.2	14.52	96.14	3.86	-	0 to 5	

As furnished by the client

Note : The above tested sample satisfies the requirement of IS:383-2016

For Karnataka Material Test House Pvt ltd.,

Prepared & Checked by
Nagaraj K S

.....End of Report.....

Approved by
Narayanswamy.B

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

eport No	KMTH/C-Aggregate/2616/2021-22	Date	25-01-2021

TEST REPORT ON COARSE AGGRERGATE

ame of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
ame of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ame of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
ork Order No	EE(Project)Ynk Zone/WO/169/2020-21
b Code No	001-20-000014
te of Testing	23-01-2021
chnical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016

RADATION OF COARSE AGGEGATES

0mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
ve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
20	212.4	4.25	4.25	95.75	85-100	90 to 100	
10	3386.4	67.73	71.98	28.02	0 to 20	25 to 55	
4.75	1284.6	25.69	97.67	2.33	0 to 5	0 to 10	

0mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
ve No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	151.4	3.03	3.03	96.97	85-100	90 to 100	
20	2276.4	45.53	48.56	51.44	0 to 20	30 to 70	
10	1912.4	38.25	86.80	13.20	0 to 5	10 to 25	
4.75	568.4	11.37	98.17	1.83	-	0 to 5	

As furnished by the client

ote : The above tested sample satisfies the requirement of IS:383-2016

r Karnataka Material Test House Pvt ltd.,

epared & Checked by
agaraj K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
BBMP, Bangalore - 92

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

port No	KMTH/C-Aggregate/2617/2021-22	Date	12-11-2021

TEST REPORT ON COARSE AGGRERGATE

me of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
me of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
rd Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
me of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
rk Order No	EE(Project)Ynk Zone/WO/169/2020-21
Code No	001-20-000014
e of Testing	11-11-2021
hnical Referance	IS: 2386 (Part I)– 1963 IS: 383 – 2016

ADATION OF COARSE AGGEGATES

mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
e No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
40	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
20	106.4	2.13	2.13	97.87	85-100	90 to 100	
10	3376.2	67.52	69.65	30.35	0 to 20	25 to 55	
75	1276.6	25.53	95.18	4.82	0 to 5	0 to 10	

mm	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
e No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
63	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
40	151.4	3.03	3.03	96.97	85-100	90 to 100	
20	2286.8	45.74	48.76	51.24	0 to 20	30 to 70	
10	2012.4	40.25	89.01	10.99	0 to 5	10 to 25	
.75	506.4	10.13	99.14	0.86	-	0 to 5	

s furnished by the client

te : The above tested sample satisfies the requirement of IS:383-2016

Karnataka Material Test House Pvt ltd.,

pared & Checked by
garaj K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

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CIN No: U74210KA2007PTC043130 G.S.T No: 29AACCK4880Q1ZS PAN No: AACCK4880Q

S.S.No	KMTH/C-Aggregate/2618/2021-22	Date	12.11.2021
	TEST REPORT ON COARSE AGGREGATE		
e of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh 07 Road Bangalore-92		
e of Agency & Address	Sri Shankaramma T K, (M/S MESPC infra projects pvt Ltd) No 60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
d Party Consultant	M/S Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
e of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward		
k Order No	EE(Project)Ynk Zone/WO/169/2020-21		
Code No	AN1-20-0000114		
e of Testing	11.11.2021		
nical Reference	IS: 2386 (Part I)- 1963 IS: 383 – 2016		

DATION OF COARSE AGGREGATES

ram	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
e No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
0	0	0.00	0.00	100.00	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 20mm.
0	106.4	2.13	2.13	97.87	85-100	90 to 100	
0	3276.8	65.54	67.66	32.34	0 to 20	25 to 55	
75	1325.6	26.51	94.18	5.82	0 to 5	0 to 10	

ram	Weight of Sample		5000		IS : 2386(Part-I) RA 2016		Remarks
e No	Wt of Sample	% tage retained	Cumulative % retained	% tage finer	Single Size	Graded Size	
3	0	0.00	0.00	100	100	100	Sample conforms to IS: Stipulation for Single size Aggregate of size 40mm.
0	149.6	2.99	2.99	97.01	85-100	90 to 100	
0	2186.3	43.73	46.72	53.28	0 to 20	30 to 70	
0	2014.9	40.30	87.02	12.98	0 to 5	10 to 25	
75	498.5	9.97	96.99	3.01	-	0 to 5	

furnished by the client

e : The above tested sample satisfies the requirement of IS:383-2016

Karnataka Material Test House Pvt ltd.,

pared & Checked by
araj K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/C-Aggregate/2617/2021-22	Date	13-11-2021

TEST REPORT ON STEEL

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
of Testing	12-11-2021
ical Referance	IS: 1786 – 2008 & IS: 1608–2005

ile Test

No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	12	0.815	572.60	666.46	21.40	Passes
2		16	1.580	555.40	652.80	21.56	Passes
3		20	2.469	572.64	636.90	18.98	Passes

Test

No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	12	4 dia	180°	No cracks observed. Passes the test.
2	16	4 dia	180°	No cracks observed. Passes the test.
3	20	4 dia	180°	No cracks observed. Passes the test.

nd Test

No.	Dia (mm)	Mandrel diameter	Observations
1	12	5 dia	No cracks observed. Passes the test
2	16	5 dia	No cracks observed. Passes the test
3	20	7 dia	No cracks observed. Passes the test.

rnished by the client

arnataka Material Test House Pvt ltd.,

red & Checked by
raj K S

AE

Approved by
Narayanswamy.B

.....End of Report.....

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
11 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

rt No	KMTH/C-Aggregate/2618/2021-22	Date	13-11-2021

TEST REPORT ON STEEL

e of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
e of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
e of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward No.01 of Yelahanka
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
of Testing	12-11-2021
hical Referance	IS: 1786 – 2008 & IS: 1608–2005

ile Test

No.	Grade of Steel	Dia in	Weight / unit length (kg/m)	0.2% proof Stress (N/mm2)	Tensile Strength (N/mm2)	Percentage Elongation (on 5.65 ÖAG.L)	Remarks
1	Fe-500	12	0.815	533.46	621.40	22.62	Passes
2		16	1.580	567.98	629.40	21.45	Passes
3		20	2.469	557.46	631.80	19.66	Passes

Test

No.	Dia (mm)	Mandrel diameter	Angle of bend	Observations
1	12	4 dia	180°	No cracks observed. Passes the test.
2	16	4 dia	180°	No cracks observed. Passes the test.
3	20	4 dia	180°	No cracks observed. Passes the test.

nd Test

No.	Dia (mm)	Mandrel diameter	Observations
1	12	5 dia	No cracks observed. Passes the test
2	16	5 dia	No cracks observed. Passes the test
3	20	7 dia	No cracks observed. Passes the test.

urnished by the client

arnataka Material Test House Pvt ltd.,

ared & Checked by
raj K S

AE

Approved by
Narayanswamy.B

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Karnataka Material Test House Pvt. Ltd. Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/C-Aggregate/2620/2021-22	Date	29-01-2021

TEST REPORT ON CEMENT

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
of Testing	28-01-2021
ical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

o.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
	Normal consistency in %	29.4	Not specified	-
	Initial setting time in	189.6	Shall not be less than 30 minutes	P
	Final setting time in minutes	299.8	Shall not be more than 600 minutes	P
	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	24.56	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.11	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	45.86	Shall not be less than 43.0 MPa	P

rnished by the client

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

arnataka Material Test House Pvt ltd.,

ared & checked by
raj K S

AE

Approved by
Narayanswamy.B

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/C-Aggregate/2621/2021-22	Date	29-01-2021

TEST REPORT ON CEMENT

f Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
f Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
arty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
f Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
Order No	EE(Project)Ynk Zone/WO/169/2020-21
de No	001-20-000014
f Testing	28-01-2021
cal Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
	Normal consistency in %	29.4	Not specified	-
	Initial setting time in	188.7	Shall not be less than 30 minutes	P
	Final setting time in minutes	305.4	Shall not be more than 600 minutes	P
	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	24.86	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.62	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	45.86	Shall not be less than 43.0 MPa	P

rnished by the client

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

No	KMTH/C-Aggregate/2622/2021-22	Date	17-11-2021

TEST REPORT ON CEMENT

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
arty Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
Order No	EE(Project)Ynk Zone/WO/169/2020-21
de No	001-20-000014
f Testing	16-11-2021
cal Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
	Normal consistency in %	28.68	Not specified	-
	Initial setting time in	189.42	Shall not be less than 30 minutes	P
	Final setting time in minutes	303.2	Shall not be more than 600 minutes	P
	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	25.27	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	34.86	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	46.21	Shall not be less than 43.0 MPa	P

rnished by the client

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

arnataka Material Test House Pvt ltd.,

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

t No	KMTH/C-Aggregate/2623/2021-22	Date	17-11-2021

TEST REPORT ON CEMENT

of Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
of Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
: of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone benches to the parks in Kempegowda ward
Order No	EE(Project)Ynk Zone/WO/169/2020-21
ode No	001-20-000014
of Testing	16-11-2021
nical Referance	IS: 4031(Part I–VI) 1988 (Reaffirmed–2000) & IS: 8112-1989

o.	Test Conducted	Results	IS: 8112-1989 Stipulation	Remarks
	Normal consistency in %	29.4	Not specified	-
	Initial setting time in	188.7	Shall not be less than 30 minutes	P
	Final setting time in minutes	305.4	Shall not be more than 600 minutes	P
	Compressive strength (Average of three results) in N/mm2			
a	72+1h (3 days)	24.86	Shall not be less than 23.0 MPa	P
b	168+2h (7 days)	35.62	Shall not be less than 33.0 MPa	P
c	672+4h (28 days)	45.86	Shall not be less than 43.0 MPa	P

urnished by the client

P : Passes IS requirement F: Fails IS requirements

TTC : Test to be conducted

arnataka Material Test House Pvt ltd.,

ared & Checked by
raj K S

.....End of Report.....

Approved by
Narayanswamy.B

Karnataka Material Test House Pvt. Ltd. Bangalore

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

MTH/Cubes/2521/2021-22		Date	10-02-2021
TEST RESULTS ON CONCRETE CUBES			
nt & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92		
ncy & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
onsultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
ject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone		
No	EE(Project)Ynk Zone/WO/169/2020-21		
	001-20-000014		
ple Received	09-02-2021		
of Specimens in mm	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
ncrete	M10		

e Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
sir M viveshwaraiya park	02-02-2021	09-02-2021	7 Days	22500.00	8264	277.4	12.33
	02-02-2021	09-02-2021		22500.00	8216	275.2	12.23
	02-02-2021	09-02-2021		22500.00	8226	272.4	12.11

10kg/Sq.cm(Approx) * As furnished by the client

imum of three cube specimens shall be supplied fo testing as per IS:516-1959

ka Material Test House Pvt Ltd.,

Checked by

AE

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Narayanswamy.B

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

o	KMTH/Cubes/1114/2021-22	Date	04-03-2021

TEST RESULTS ON CONCRETE CUBES

Client & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
Agency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
ird Party Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
e of Project & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
der No	EE(Project)Ynk Zone/WO/169/2020-21
No	001-20-000014
ample Received	02-03-2021
ns of Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
Concrete	M10
Concrete	M10

ssive Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by the client and the results are tabulated here below

	Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
	sir M viveshwaraiya park	02-02-2021	02-03-2021	28 Days	22500.00	8036	386.2	17.16
		02-02-2021	02-03-2021		22500.00	8042	382.4	17.00
		02-02-2021	02-03-2021		22500.00	8055	385.8	17.15

m=10kg/Sq.cm(Approx) * As furnished by the client

Minimum of three cube specimens shall be supplied fo testing as per IS:516-1959

ataka Material Test House Pvt Ltd.,

l & checked by
K S

AE

Approved by
Narayanswamy.B

Karnataka Bangalore

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/Cubes/2624/2021-22		Date	18-02-2021

TEST RESULTS ON CONCRETE CUBES

ent & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
ency & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
oject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
No	EE(Project)Ynk Zone/WO/169/2020-21
	001-20-000014
ple Received	17-02-2021
of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
ncrete	M10

re Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm^2)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm^2
sir M viveshwaraiya park	10-02-2021	17-02-2021	7 Days	22500.00	8188	269.8	11.99
	10-02-2021	17-02-2021		22500.00	8178	270.4	12.02
	10-02-2021	17-02-2021		22500.00	8196	278.8	12.39

10kg/Sq.cm(Approx) * As furnished by the client

imum of three cube specimens shall be supplied fo testing as per IS:516-1959

ka Material Test House Pvt Ltd.,

Checked by

Approved by
Narayanswamy.B

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Asst Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

KMTH/Cubes/2625/2021-22 Date 10-03-2021

TEST RESULTS ON CONCRETE CUBES

nt & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
ncy & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
Consultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
ject & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
No	EE(Project)Ynk Zone/WO/169/2020-21
	001-20-000014
ple Received	10-03-2021
of Specimens in mm	150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00 150.00 x 150.00 x 150.00
ncrete	M10

e Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
For Statue	10-02-2021	10-03-2021	28 Days	22500.00	8101	378.6	16.83
	10-02-2021	10-03-2021		22500.00	8098	372.8	16.57
	10-02-2021	10-03-2021		22500.00	8122	375.4	16.68

10kg/Sq.cm(Approx) * As furnished by the client

imum of three cube specimens shall be supplied fo testing as per IS:516-1959

ka Material Test House Pvt Ltd.,

Checked by AE

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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3)Any correction in the report will be invalid.

Lab :No. 8 (10/3), 4th cross, Basaveshwara layout, Nagashettihalli, RMV 2nd Stage, BENGALURU 560094
41 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com
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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy

CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

MTH/Cubes/2626/2021-22		Date	17-11-2021
TEST RESULTS ON CONCRETE CUBES			
t & Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92		
cy & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64		
nsultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094		
ct & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in		
lo	EE(Project)Ynk Zone/WO/169/2020-21		
	001-20-000014		
le Received	16-11-2021		
f Specimens in mm	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
	150.00 x 150.00 x 150.00		
crete	M10		

e Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

Cubes Pertaining to the concrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
For Statue	09-11-2021	16-11-2021	7 Days	22500.00	8162	268.4	11.93
	09-11-2021	16-11-2021		22500.00	8168	265.8	11.81
	09-11-2021	16-11-2021		22500.00	8164	264.8	11.77

10kg/Sq.cm(Approx) * As furnished by the client

imum of three cube specimens shall be supplied fo testing as per IS:516-1959

ta Material Test House Pvt Ltd.,

Checked by

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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341 8668, 23511213 **Mobile: 94485 15258** E-mail: kmthblr@gmail.com www.karnatakamaterialtesthouse.com

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Karnataka Material Test House Pvt. Ltd.,

Soil Investigation, Concrete and NDT Testing ,Topo Survey, & Project management Consultancy
CIN No: U74210KA2004PTC035137 G S T No: 29AACCK4994Q1ZI PAN No: AACCK4994Q

TH/Cubes/2627/2021-22 Date 08-12-2021

TEST RESULTS ON CONCRETE CUBES

& Address	Executive Engineer Bruhat Bengaluru Mahanagara Palike Project Division, Yelahanka Zone Nh-07 Road Bangalore-92
y & Address	Sri Shankarappa T K, (M/s MESPC Infra projects pvt Ltd) No-60, Kempaiah Building, Anathapura, Singanayakanahalli Post, Bangalore-64
sultant	M/s Karnataka Material Test House Pvt Ltd., Basaveshwara Layout, Nagashettyhalli, Bengaluru-560094
t & Address	Package 12 1.Construction of Kempegowda Statue at Yelahanka Mini Vidhanasoudha in Kempegowda Ward No.01 of Yelahanka sub division 2. Providing and fixing stone
	EE(Project)Ynk Zone/WO/169/2020-21
	001-20-000014
Received	07-12-2021
Specimens in mm	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
	150.00 x 150.00 x 150.00
rete	M10

Strength test as per guidelines of IS-516-1959 has been conducted on the concrete cube specimens supplied by

ubes Pertaining to the ncrete Cast at*(Details of structural Member Identification	Date of Casting*	Date of Testing	Age of Concrete on the date of test** (Days)	Contact Area (mm²)	Weight of Specimen (gm)	Load In KN	Compressive Strength in Nmm²
For Statue	09-11-2021	07-12-2021	28 Days	22500.00	8101	381.2	16.94
	09-11-2021	07-12-2021		22500.00	8098	377.4	16.77
	09-11-2021	07-12-2021		22500.00	8122	375.2	16.68

)kg/Sq.cm(Approx) * As furnished by the client

num of three cube specimens shall be supplied fo testing as per IS:516-1959

Material Test House Pvt. Ltd.,

hecked by

Approved by
Narayanswamy.B

.....End of Report.....

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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